11CH013

Part Number



- Increased switching distance
- Innovative ASIC circuit technology
- Integrated error display
- Minimal mounting clearance thanks to wenglor weproTec

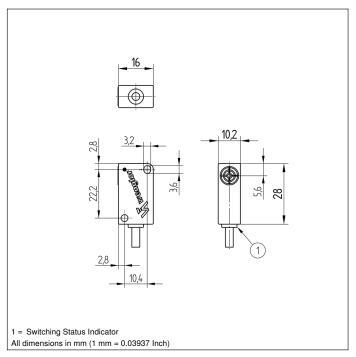
Inductive Sensors with increased switching distances are distinguished by rugged design, easy installation and reliable measured values. The large range makes additional types of sensor superfluous because they can also be used to implement special applications. In addition to error-free operation of several sensors in a very small space, the new generation also provides the possibility of detecting system errors before it's too late thanks to ASIC und wenglor weproTec.

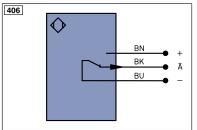
weproTec

Technical Data

Inductive Data					
Switching Distance	3 mm				
Correction Factors Stainless Steel V2A/CuZn/Al	Stainless Steel V2A/CuZn/Al 1,26/0,65/0,64				
Mounting	flush				
Mounting A/B/C/D in mm	0/10/9/0				
Mounting B1 in mm	04				
Switching Hysteresis	< 10 %				
Electrical Data					
Supply Voltage	1030 V DC				
Current Consumption (Ub = 24 V)	< 10 mA				
Switching Frequency	920 Hz				
Temperature Drift < 10 %					
emperature Range -2580 °C					
Switching Output Voltage Drop	< 1 V				
Switching Output/Switching Current	150 mA				
Residual Current Switching Output	< 100 μA				
Short Circuit Protection	yes				
Reverse Polarity and Overload Protection	yes				
Protection Class	III				
Mechanical Data					
Housing Material	Plastic				
Full Encapsulation	yes				
Degree of Protection	Protection IP67				
Connection Cable, 3-wire, 2 m					
Cable Jacket Material	PVC				
Safety-relevant Data					
MTTFd (EN ISO 13849-1)	3706,54 a				
Diagnostic Coverage (DC)	0 %				
Service Life TM (EN ISO 13849-1)	20 a				
Function					
Error Indicator	r Indicator yes				
NPN NC					
Connection Diagram No.	406				







egen	ıd		PT	Platinum measuring resistor	ENA	Encoder A	
+	Supply Voltage +		nc	not connected	ENB	Encoder B	
-	Supply Voltage 0 V		U	Test Input	Amin	Digital output MIN	
~	Supply Voltage (AC Voltage)		Ū	Test Input inverted	Амах	Digital output MAX	
Α	Switching Output	(NO)	W	Trigger Input	Аок	Digital output OK	
Ā	Switching Output	(NC)	0	Analog Output	SY In	Synchronization In	
٧	Contamination/Error Output	(NO)	0-	Ground for the Analog Output	SY OUT	Synchronization OUT	
⊽	Contamination/Error Output	(NC)	BZ	Block Discharge	OLT	Brightness output	
E	Input (analog or digital)		Awv	Valve Output	М	Maintenance	
Т	Teach Input		а	Valve Control Output +	rsv	reserved	
Z	Time Delay (activation)		b	Valve Control Output 0 V			
S	Shielding		SY	Synchronization		Wire Colors according to	
RxD	Interface Receive Path		E+	Receiver-Line	DIN IEC 757		
TxD	Interface Send Path		S+	Emitter-Line	BK	Black	
RDY	Ready		<u>+</u>	Grounding	BN	Brown	
GND	Ground		SnR	Switching Distance Reduction	RD	Red	
CL	Clock		Rx+/-	Ethernet Receive Path	OG	Orange	
E/A	Output/Input programmable		Tx+/-	Ethernet Send Path	YE	Yellow	
②	IO-Link		Bus	Interfaces-Bus A(+)/B(-)	GN	Green	
PoE	Power over Ethernet		La	Emitted Light disengageable	BU	Blue	
IN	Safety Input		Mag	Magnet activation	VT	Violet	
OSSD	Safety Output		RES	Input confirmation	GY	Grey	
Signal	Signal Output		EDM	Contactor Monitoring	WH	White	
BI_D+/-	Ethernet Gigabit bidirect. data	line (A-D)	ENARS422	Encoder A/Ā (TTL)	PK	Pink	
	Encoder 0-pulse 0-0 (TTL)	,		Encoder B/B (TTL)	GNYE	Green/Yellow	

Mounting

